Attorney's Docket No. 035718/268745 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re:	Mahajan *et al.*	Group Art Unit:	*(not yet assigned)*
Appl No.:	*(to be assigned)*	Examiner:	*(not yet assigned)*
Filed:	*(filed concurrently herewith)*		
For:	POLY ADP-RIBOSE POLYMERASE GENE AND ITS USES		

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 28, 2003

INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97

Attached is a list of documents on Form PTO-1449.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

Any foreign patents or non-patent literature documents items are attached, except those that were supplied in, or cited by the Office during prosecution of, parent Application No. 09/236,995 filed January 26, 1999. Since the benefit of this application was claimed under 35 U.S.C. 120, no copies need to be furnished in accordance with 37 C.F.R. 1.98(d); however, copies will be furnished on request.

Respectfully submitted,

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Rebecca Kerney

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Substitute for form 1449/PTO (Revised 04/2003)				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*				Application Number	*(not yet assigned)*
				Filing Date	August 28, 2003
				First Named Inventor	Mahajan *et al.*
				Group Art Unit	*(not yet assigned)*
				Examiner Name	*(not yet assigned)*
Sheet	1	of	3	Attorney Docket Number	035718/268745

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	1	EP – 0 757 102 A1	02-05-1997	Plant Genetic Systems N.V.		
	2	WO – 97/06267	02-20-1997	Plant Genetic Systems N.V.		

Examiner Signature		Date Considered	

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s) , volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	3	AMOR, *et al.*, "The Involvement of Poly(ADP-ribose) Polymerase in the Oxidative Stress Responses in Plants," *FEBS Letters*, 1998, pp. 1-7, Vol. 440, Federation of European Biochemical Societies.	
	4	BABIYCHUK, *et al.*, "Zea mays mRNA for poly(ADP-ribose) Polymerase 321bp," EMBL ACCESSION NO. AJ222589, November 19, 1997.	
	5	BABIYCHUK, *et al.*, "Higher Plants Possess Two Structurally Different poly(ADP-ribose) Polymerases," *The Plant Journal*, 1998, pp. 635-645, Vol. 15(5), Blackwell Science Ltd.	
	6	BURTSCHER *et al.*, "Isolation of ADP-Ribosyltransferase by Affinity Chromatography," *Analytical Biochemistry*, 1986, pp. 285-290, Vol. 152, Academic Press, Inc.	
	7	CHEN *et al.*, "Poly(ADP-ribose) Polymerase in Plant Nuclei," *Eur. J. Biochem.*, 1994, pp. 135-154, Vol. 224, England.	
	8	GIROD *et al.*, "Secondary Metabolism is Cultured Red Beet (*Beta vulgaris L.*) Cells: Differential Regulation of Betaxanthin and Betacyanin Biosynthesis," *Plant Cell Tissue Organ Cult*, 1991, pp. 1-12, Vol. 25(1), Lab. Phytogenetique Cell., Lausanne, Switzerland.	
	9	HELLER *et al.*, "Inactivation of the Poly(ADP-ribose) Polymerase Gene Affects Oxygen Radical and Nitric Oxide Toxicity in Islet Cells," *The Journal of Biological Chemistry*, 1995, pp. 11176-11180, Vol. 270(19), The American Society for Biochemistry and Molecular Biology, Inc.	
	10	IKEJIMA *et al.*, "The Zinc Fingers of Human Poly(ADP-ribose) Polymerase Are Differentially Required for the Recognition of DNA Breaks and Nicks and the Consequent Enzyme Activation," *The Journal of Biological Chemistry*, 1990, pp. 21907-21913, Vol. 265(35), The American Society for Biochemistry and Molecular Biology, Inc.	
	11	KOFLER *et al.*, "Purification and Characterization of NAD^+: ADP-Ribosyltransferase (Polymerizing) from *Dictyostelium Discoideum*," *Biochem J.*, 1993, pp. 275-281, Vol. 293, Great Britain.	
	12	KÜPPER, *et al.*, "Molecular Genetic Systems to Study the Role of Poly(ADP-ribosyl)ation in the Cellular Response to DNA Damage," *Biochimie*, 1995, pp. 450-455, Vol. 77, Elsevier.	
	13	LEPINIEC, *et al.*, "A. thaliana PARP mRNA for PARP Protein," EMBL ACCESSION NO. Z48243, May 31, 1995.	
	14	LEPINIEC *et al.*, "Characterization of an *Arabidopsis Thaliana* cDNA Homologue to Animal Poly(ADP-ribose) Polymerase," *FEBS Letters*, 1995, pp. 103-108, Vol. 364, Federation of European Biochemical Societies.	

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OTHER DOCUMENTS

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	15	MAHAJAN *et al.*, "Purification and cDNA Cloning of Maize Poly(ADP)-Ribose Polymerase," *Plant Physiol.*, 1998, pp. 895-905, Vol. 118.	
	16	MAHAJAN *et al.*, "Zea mays poly(ADP)-ribose polymerase (PARP1) mRNA, complete cds," EMBL ACCESSION NO. AF093627, November 30, 1998.	
	17	SCHREIBER *et al.*, "A Dominant-Negative Mutant of Human Poly(ADP-ribose) Polymerase Affects Cell Recovery, Apoptosis, and Sister Chromatid Exchange Following DNA Damage," *Proc. Natl. Acad. Sci. USA*, May 1995, pp. 4753-4757, Vol. 92, Cell Biology.	
	18	SEMIONOV *et al.*, "Inhibition of Poly(ADP-ribose)polymerase Stimulates Extrachromosomal Homologous Recombination in Mouse Ltk-Fibroblasts," *Nucleic Acids Research*, 1999, pp. 4526-4531, Vol. 27(22), Oxford University Press.	
	19	SHAH *et al.*, "Review: Methods for Biochemical Study of Poly(ADP-Ribose) Metabolism *in Vitro* and *in Vivo*," *Analytical Biochemistry*, 1995, pp. 1-13, Vol. 227, Academic Press, Inc.	
	20	SIMBULAN-ROSENTHAL *et al.*, "Depletion of Nuclear Poly(ADP-ribose) Polymerase by Antisense RNA Expression: Influence on Genomic Stability, Chromatin Organization, DNA Repair, and DNA Replication," *Prog. Nucleic Acid Res. Mol. Biol.*, 1996, pp. 135-156, Vol. 55, Chemical Abstracts, Columbus, Ohio, USA.	
	21	SIMBULAN-ROSENTHAL *et al.*, "The Expression of Poly(ADP-ribose) Polymerase during Differentiation-Linked DNA Replication Reveals That It Is a Component of the Multiprotein DNA Replication Complex," *Biochemistry*, 1996, pp. 11622-11633, Vol. 35, American Chemical Society.	
	22	SMITH *et al.*, "Tankyrase, a Poly (ADP-Ribose) Polymerase at Human Telomeres," *Science*, 1998, pp. 1484-1487, Vol. 282.	
	23	UEDA *et al.*, "ADP-Ribosylation," *Ann. Rev. Biochem.*, 1985, pp. 73-100, Vol. 54, Annual Reviews, Inc.	
	24	USHIRO *et al.*, "Purification and Characterization of Poly (ADP-Ribose) Synthetase from Human Placenta," *The Journal of Biological Chemistry*, 1987, pp. 2352-2357, Vol. 262(5), The American Society of Biological Chemists, Inc.	
	25	WANG *et al.*, "Mice Lacking ADPRT and Poly(ADP-ribosyl)ation Develop Normally But Are Susceptible to Skin Disease," *Genes and Development*, 1995, pp. 509-520, Vol. 9, Cold Spring Harbor Laboratory Press.	

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